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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/124,231	07/29/1998	NOBUHARU IINUMA	1046.1185/JD	6479

21171 7590 10/18/2004

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EXAMINER

LESPERANCE, JEAN E

ART UNIT	PAPER NUMBER
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2674

DATE MAILED: 10/18/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/124,231

Applicant(s)

IINUMA, NOBUHARU

Examiner

Jean E Lesperance

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 30 June 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-19 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-19 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 29 July 1998 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
- 1) ☒ Certified copies of the priority documents have been received.
 - 2) ☐ Certified copies of the priority documents have been received in Application No. _____.
 - 3) ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

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DETAILED ACTION

Claims 1-19 are presented for examination.

The appeal Brief has been received on 6/30/2004 and a new rejection is provided below with new found reference.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kanno (US 5,602,567) in view of Yoshinobu (US 5,699,104).

As per claims 1, 2, 4, and 5, Kanno teaches a display apparatus comprising a monitor or a display screen 2 displaying data sent from a main apparatus, a display control 14, a memory RAM 12 or EPROM 11 wherein said monitor or display screen, said memory unit, and said display control unit are contained in a frame that is independent from a frame containing the main apparatus or irrespective of an operation mode of the main apparatus (see fig. 1). Kanno does not teach a screen protecting data in the memory but Yoshinobu discloses a VRAM Fig.2 (11) is connected through the system bus to the CPU 9 and functions to store image data per screen for displaying a screen saver.

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It would have been obvious to a person of ordinary skill in the art, at the time of the invention, to utilize the VRAM for displaying screen saver as taught by Yoshinobu in the RAM 12 disclosed by Kanno because this would allow the display apparatus to protect its image data by using the screen saver function.

As per claim 3, Kanno teaches a monitor control (CPU) 14 which communicates with the computer via the serial interface.

As per claims 6 and 7, Kanno teaches a display apparatus comprising a monitor (display screen) 2 displaying data sent from a main apparatus, a display control 14, a memory RAM 12 or EPROM 11 wherein said monitor or display screen, said memory unit, and said display control unit are contained in a frame that is independent from a frame containing the main apparatus (see fig. 1).

As per claim 8, Kanno teaches a main apparatus (CPU) 1 which sends a signal from a communication between the computer and the display monitor (see cot. 4, lines 43-45).

As per claim 9, see rejection of claims 6 and 7.

As per claim 10, see rejection of claims 1 and 4.

As per claim 11, see rejection of claim 5.

As per claims 12 and 13, see rejection of claim 2.

As per claim 14, see rejection of claim 4.

As per claims 15-19, the display control (14) taught by Kanno is well capable of controlling the screen protecting image data to be displayed on the display screen.

Conclusion

Any inquiry concerning this communication or earlier communications from The examiner should be directed to Jean Lesperance whose telephone number is (703) 308-6413. The examiner can normally be reached on from Monday to Friday between 8:00AM and 4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's Supervisor, Shalwala Bipin, can be reached on (703) 305-4938.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks
Washington, D.C. 20231

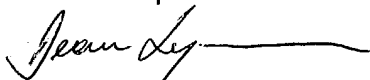
Or faxed to:

(703) 872-9314 (for Technology Center 2600 only)

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Sixth Floor (Receptionist).

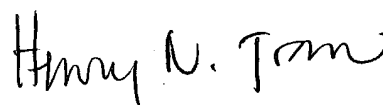
Any inquiry of a general nature or relating to the status of this application or Proceeding should be directed to the technology Center 2600 Customer Service Office Whose telephone number is (703) 306-0377.

Jean Lesperance



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Date 10-13-2004



HENRY N. TRAN
PRIMARY EXAMINER